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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/580,088	02/27/2007	Kim Marie Hutchings	PC32000A	7503	
28523 PEIZER INC.	7590 07/09/201	0	EXAMINER		
PATENT DEP	ARTMENT	JARRELL, NOBLE E			
Bld 114 M/S 9114 EASTERN POINT ROAD			ART UNIT	PAPER NUMBER	
GROTON, CT 06340			1624		
			NOTIFICATION DATE	DELIVERY MODE	
			07/09/2010	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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~IPGSGro@pfizer.com

Application No.	Applicant(s)		
10/580,088	HUTCHINGS ET AL.		
Examiner	Art Unit		
NOBLE JARRELL	1624		

Office Action Summary	Examiner	Art Unit					
•							
The MAILING DATE of this communication app	NOBLE JARRELL	1624	dross				
Period for Reply	ears on the cover sheet with the c	orrespondence at	iuress				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING DV - Extensions of time may be available under the provisions of 37 CFR 1.1 after SSI/6 (MONTHS from the mailing date of the communication. If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will by statute, Any reply received by the Office later than three months after the mailing carried patter term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this of D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 20 Ap	oril 2010.						
2a) This action is FINAL. 2b) ☑ This	action is non-final.						
3) Since this application is in condition for allowar	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) 1-19 is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) 1-18 is/are allowed.							
6) Claim(s) 19 is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or	r election requirement.						
Application Papers							
9) The specification is objected to by the Examine	r						
		Examiner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correct	• • •		FR 1.121(d).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a))-(d) or (f).					
1.☐ Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau	ı (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Interview Summary Paper No(s)/Mail Da						
2) Information Tripolegum Statement(s) (ETO/SB/08)	5) Notice of Informal P						

Paper No(s)/Mail Date 28 August 2008.

6) Other: _____

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DETAILED ACTION

Election/Restrictions

Election/Restrictions

 Applicant's election without traverse of group I in the reply filed on 20 April 2010 is acknowledged. After analysis of the claim set and query formulation, the whole genus was searched.
 Consequently, the restriction is withdrawn.

Priority

2. The priority date of the instant application is 18 November 2003.

Information Disclosure Statement

3. The information disclosure statement filed 28 August 2008 is acknowledged and considered.

Specification

The title of the invention is not descriptive. A new title is required that is clearly indicative of
the invention to which the claims are directed.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

6. Claims 19 is rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for treatment of infections related to *E. faecalis*, *S. pneumo*, *S. aureus*, *S. pyogenes*, *H. influenzae*, *M. catarrhalis*, and *E. coli*, does not reasonably provide enablement for treatment of . The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention commensurate in scope with these claims.

The factors to be considered in determining whether a disclosure meets the enablement requirements of 35 U.S.C. 112, first paragraph, have been described in In re Wands, 858 F.2d 731, 8 USPQ2d 1400 (Fed. Cir., 1988). The court in Wands states, "Enablement is not precluded by the necessity for some experimentation, such as routine screening. However, experimentation needed to practice the invention

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must not be undue experimentation. The key word is 'undue', not 'experimentation'' (Wands, 8 USPQ2s4 1404). Clearly, enablement of a claimed invention cannot be predicated on the basis of quantity of experimentation required to make or use the invention. "Whether undue experimentation is needed is not a single, simple factual determination, but rather is a conclusion reached by weighing many factual considerations' (Wands, 8 USPQ2d 1404). Among these factors are: (1) the nature of the invention; (2) the breadth of the claims; (3) the state of the prior art; (4) the predictability or unpredictability of the art; (5) the relative skill of those in the art; (6) the amount of direction or guidance presented; (7) the presence or absence of working examples; and (8) the quantity of experimentation necessary.

Consideration of the relevant factors sufficient to establish a prima facie case for lack of enablement is set forth herein below:

(1) The nature of the invention and (2) the breadth of the claims:

The claims are drawn to treatment of a bacterial infection in a mammal with a quinazoline-2,4(1H,3H)-dione or pyrido[2,3-d]pyrimidine-2,4(1H,3H)-dione ring modified with an N-containing heterocycle. Thus, the claims taken together with the specification imply that these compounds can treat bacterial infections.

(3) The state of the prior art and (4) the predictability or unpredictability of the art:

Boyanova et al. (Anoerobe, 2000, 6, 81-85) describe that susceptibility of gram-negative rods is unpredictable with respect to penicillin (pages 83-84). Penicillin is similar to the compounds of the instant application because they are being tested against gram-negative and gram-positive bacteria as well. Boyanova also teaches that testing for gram-positive strains was unpredictable as well, even though the resistance patterns were the opposite (tables 3 and 4, page 84). Several reasons highlight the need to perform anaerobic diagnostics and susceptibility in bacterial testing because of the wide diversity of anaerobic genera and different susceptibility patterns. Boyanova highlights thoracic emphysema as one type of infection.

Pinna et al. (British Journal of Ophthalmology, 1999, 83, 771-773) describe that antibiotic susceptibility of coagulase negative staphylococci (CoNS) is unpredictable and multiresistant strains are common (abstract, page 771). Table 2 (page 772)

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demonstrates the unpredictability of testing gram-positive bacteria. Pinna recommends that antibiotic susceptibility testing should be performed in clinically significant ocular infections caused by CoNS to improve predictability.

(5) The relative skill of those in the art:

Those of relative skill in the art are those with level of skill of the authors of the references cited to support the examiner's position. The relative skill of those in this art is MD's, PhD's, or those with advanced degrees and the requisite experience in bacterial testing against gram-positive and gram-negative bacteria.

(6) The amount of direction or guidance presented and (7) the presence or absence of working examples:

The specification has provided guidance for treatment of infections related to E. faecalis, S. pneumo, S. aureus, S. pyogenes, H influenzae, M. catarrhalis, and E. coli (pages 128-133 of the specification).

However, the specification does not provide guidance for treatment of infections caused by other gram-negative and gram-positive bacteria.

(8) The quantity of experimentation necessary:

Considering the state of the art as discussed by the references above, particularly with regards to claim 19 and the high unpredictability in the art as evidenced therein, and the lack of guidance provided in the specification, one of ordinary skill in the art would be burdened with undue experimentation to practice the invention commensurate in the scope of the claims.

Conclusion

Claims 1-18 appear free of the prior art of record.

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Bird et al. (WO 01/53273, published 26 July 2001) describe a compound (example 10, page 160).

This compound fails to anticipate or render obvious a compound of claim I because it is not modified

with a CN group.

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to NOBLE JARRELL whose telephone number is (571)272-9077. The examiner can

normally be reached on M-F 8:30 A.M - 5:00 P.M. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr.

James O. Wilson can be reached on (571) 272-0661. The fax phone number for the organization where

this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

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/Noble |arrell/

Examiner, Art Unit 1624